

RANGE SUMMARY

By combining proprietary high rate plate design with low internal resistance AGM separators, BSB created the innovative High Rate range of batteries. This range offers extremely high power output at 15 minutes backup time with 12 years design life and is highly suited to high rate UPS and power switchgear applications.

Application

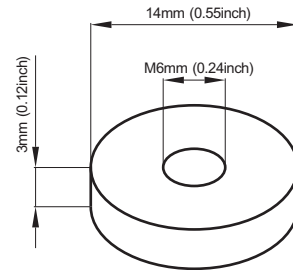
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- Toys
- UPS
- Emergency Power System

General Features

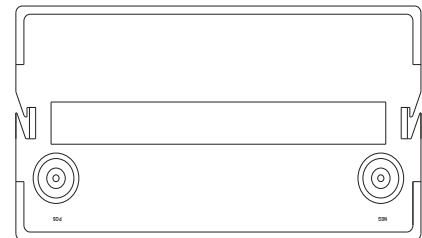
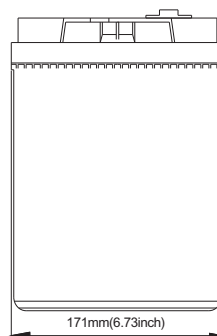
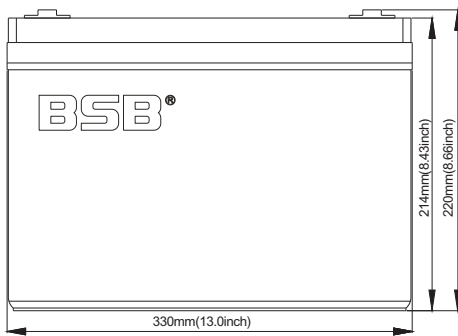
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94 V0, optional).
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexible design for multiple installation positions.

Construction

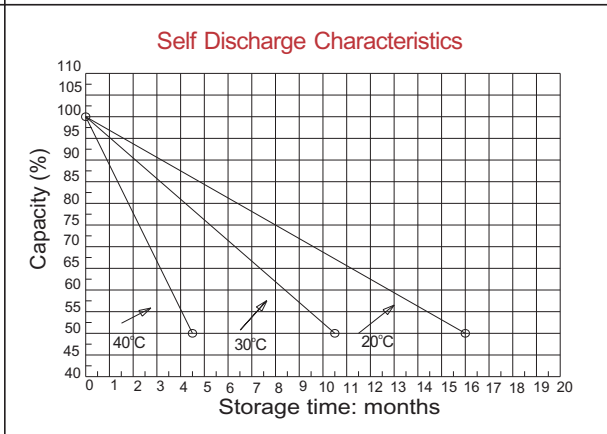
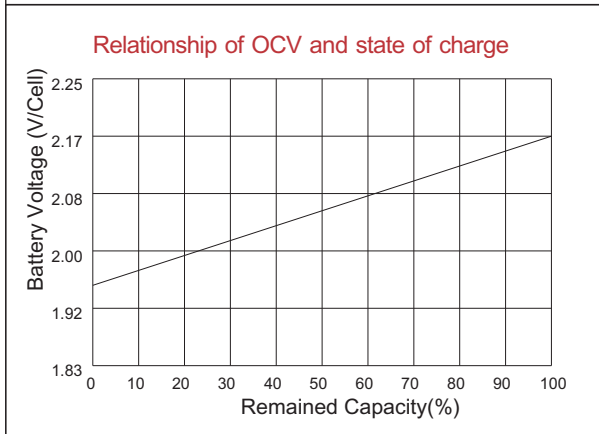
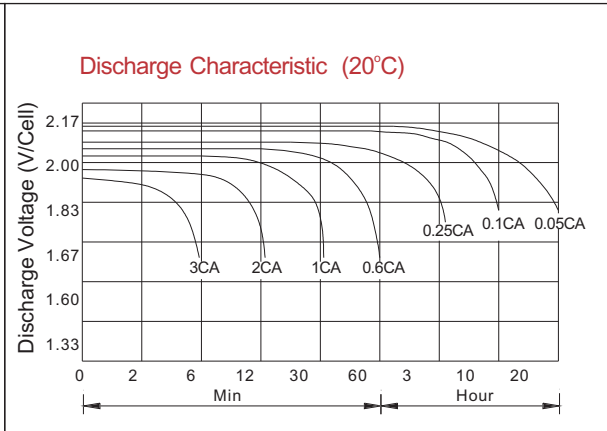
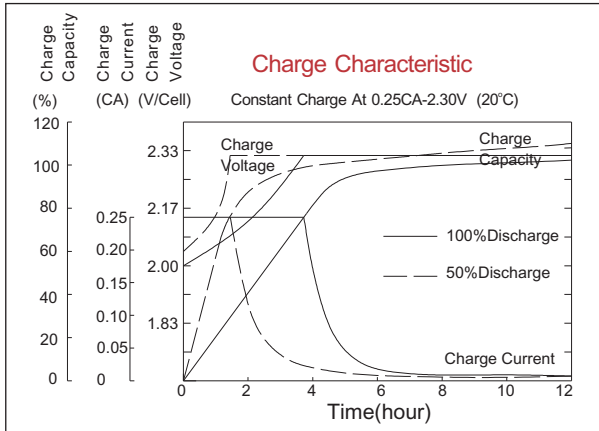
- Positive Lead dioxide
- Negative Lead
- Container ABS
- Cover ABS
- Sealant Epoxy Resin
- Safety valve EPDR
- Terminal Copper
- Separator AGM
- Electrolyte Sulfuric acid



Terminal Dimensions



Battery Model	HR12-390W(390W to 1.67V, 15min)			
Designed Floating Life	12 Years			
Capacity(20°C)	20HR(5.85A,1.80V)	10HR(11.5A,1.80V)	5HR(20.5A,1.75V)	1HR(81.7A,1.60V)
	117Ah	115Ah	103Ah	81.7Ah
Dimensions	Length	Width	Height	Total Height
	330mm(13.0inch)	171mm(6.73inch)	214mm(8.43inch)	220mm(8.66inch)
Approx. Weight	30.5Kg (67.3 lbs)			
Internal Resistance	Full charged at 20°C: 0.0048 Ohm			
Self Discharge	3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(20HR)	40°C	20°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 28.75A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 20°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	461	287	216	132	81.7	35.9	21.9	11.9	6.45
1.67V	433	272	208	126	80.7	34.5	21.5	11.8	6.23
1.70V	396	262	203	115	78.2	32.2	21.0	11.8	6.13
1.75V	389	254	197	109	74.5	31.1	20.5	11.7	5.97
1.80V	348	243	179	101	69.8	29.9	19.3	11.5	5.85
1.85V	307	231	161	92.9	65.0	28.8	18.1	11.3	5.76

Constant power discharge ratings-watts at 20°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	809	518	395	238	148	63.6	37.1	24.5	12.9
1.67V	780	505	390	233	147	61.6	36.9	24.4	12.8
1.70V	735	500	387	218	144	58.9	36.4	24.2	12.7
1.75V	739	498	383	211	141	57.5	36.1	23.9	12.6
1.80V	676	491	356	202	133	55.8	35.0	23.6	12.4
1.85V	614	466	322	189	125	54.1	33.9	23.3	12.3

